

**IN THE SPECIFICATION:**

Please amend the specification at page 4, lines 5 - 27, as follows.

**BRIEF DESCRIPTION OF THE DRAWINGS**

For a more complete understanding of the present invention, and the advantages thereof, reference is now made to the following descriptions taken in conjunction with the accompanying drawings, in which:

FIGURE 1 is a perspective view of an assembled probe housing circuitry of the present invention;

FIGURE 2 is a exploded perspective view of a circuit board and antenna contained within the housing of FIG. 1;

FIGURE 3 is a top view of a probe antenna receiver taken along the line 3-3 of FIG. 2, and extending from the circuit board of FIG. 2;

FIGURE 4 is a bottom view of a noise canceling antenna taken along the line 4-4 of FIG. 2, and extending from the circuit board of FIG. 2;

FIGURE 5 is a schematic diagram illustrating circuitry implemented on the circuit board of FIG. 2;

FIGURES 6, 7, 7A, and 7B are schematic diagrams illustrating alternate embodiments for implementing the circuitry of FIG. 5;

FIGURES 8-10 are schematic diagrams illustrating alternate embodiments for implementing the circuitry of FIG. 5 using digital signal processing.

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